



ISS Expedition 7 crew preparing for arrival of new residents

First winner named in CFC drawing

▲ **ISS Update:** Last week Commander Yuri Malenchenko and NASA International Space Station Science Officer Ed Lu worked on various science experiments and routine maintenance aboard the orbiting laboratory. Lu spent much of his time inside the U.S. Destiny laboratory setting up and performing science investigations. He installed a protein crystal growth experiment in the Microgravity Science Glovebox that will be operated by European Space Agency astronaut Pedro Duque of Spain, who will arrive at the Station Oct. 20 with the oncoming Expedition 8 crew and return to Earth Oct. 28 with Malenchenko and Lu.

Lu also set up in the lab a soldering experiment that is providing insight into how solder connections in space can be improved and an automated Earth observation camera system. Lu worked with the Fluid Dynamics Investigation, which scientists believe will help alleviate problems with mixing samples for tissue growth experiments. Those samples are housed in a bioreactor, which allows three-dimensional tissue cells, like those in the human body, to grow.

▲ CFC Incentive Prize Drawing Winner –

Congratulations to **Cris Dundas**, winner in this week's CFC Incentive Prize Drawing. Chris will receive a \$100 gift certificate to the NASA Exchange; two Maximum Access Passes to the KSC Visitor Complex; and two tickets to the KSC Disability Awareness and Action Working Group Annual Luncheon. Make your contribution right away and be entered into the next drawing for a \$75 gift certificate to the NASA Exchange; two Maximum Access Passes to the KSC Visitor Complex; and two tickets to the KSC Disability Awareness and Action Working Group Annual Luncheon. Go to the web site <http://cfc.ksc.nasa.gov>, click on "Inside KSC," then click on "CFC Donation Form." Make your selections, print

out your contribution form and get it to your Unit Coordinator/Key Solicitor right away to be entered into this week's drawing. Help those less fortunate; choose from the many local, national and international charities. Your "Donations DO Make A Difference!" If you have any questions, call Ed Markowski, 867-0829.

◆ **Internet science technology fair** – UCF's Internet Science and Technology Fair is looking for technical advisors for its 2003-2004 Competition. The program officially begins in October and ends in February, when each team's final project is due in a web-page format. Technical advisors are dedicated professionals who offer their support, expertise and guidance to teams via e-mail as the students research and develop ISTF projects. To learn more about becoming a technical advisor, please visit http://istf.ucf.edu/Team_Members/Technical_Advisors/ Or, if you wish to participate, please set up an ISTF Technical Advisor Account by visiting <http://istf.ucf.edu/EnrollAdmin/>. When enrolling, please also notify Patricia Gillis at patricia.j.gillis@nasa.gov.

◆ **NASA Science News** – An unusual double Leonid meteor shower is going to peak next month over parts of Asia and North America. Read all about it at http://science.nasa.gov/headlines/y2003/10oct_doubleleონიდს.htm/

◆ **Did You Know? Energy saving tip** – If you're buying an electrical appliance, large or small, look for the Energy Star logo. Appliances such as refrigerators, air conditioners and washing machines carry the logo. It is an instant guarantee that the product will save energy, money, and the environment. Find ratings and retailers near you at www.energystar.gov. Appliances will use more dollars-worth in electricity over their lifetime than they cost new.